

## SUPPLEMENTARY FIGURE LEGENDS

**Supplementary Figure S1. Flow cytometric analysis of H<sub>2</sub>O<sub>2</sub>-induced ROS levels in WT and BER-deficient strains.** Flow cytometric profiles of WT and BER-deficient cells exposed to 0, 0.5, 5, 25, and 55 mM H<sub>2</sub>O<sub>2</sub>. Three independent experiments (black, pink, and green lines) are represented on each profile. These data are taken from previously published work from our group [1].

Supplementary Table S1. Ntg1-recognised DNA lesions in the *CAN1* locus<sup>a</sup> and the overall genome<sup>b</sup>

[H <sub>2</sub> O <sub>2</sub> ]	0 mM	0.5 mM	5 mM	25 mM	55 mM
WT	0 (1 ± 0.030)	210 (0.94 ± 0.090)	1270 (0.68 ± 0.060)	2240 (0.50 ± 0.046)	3890 (0.31 ± 0.039)
BER-defective	390 (0.89 ± 0.061)	1200 (0.69 ± 0.077)	2820 (0.42 ± 0.022)	3570 (0.33 ± 0.042)	4870 (0.23 ± 0.040)

<sup>a</sup> Values in parentheses represent the ratio of band intensities of Ntg1 treated to untreated samples ± the standard error of the mean.

<sup>b</sup> Values were extrapolated from calculation of lesions per 3.7 kb *CAN1* fragment and represents the approximate number of lesions per genome.

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